

PIRATE ROBOTICS #6032

Founded in 2015-16



6 0 3 2

Team Handbook

2020 Season

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PIRATE ROBOTICS

History

2016 Season: FIRST Stronghold

Pirate Robotics #6032 was founded in 2015-16 by staff and students of West Carrollton High School. The following students were part of the “rookie” team:

Chase Bartram (Class of 2016)
Anthony Briner (Class of 2016)
Kenny Bryslan (Class of 2018)
Alex Burchett (Class of 2016)
Brian Dinh (Class of 2016)
Sydney Green (Class of 2017)
Austin Kinton (Class of 2016)

Dean Mason (Class of 2017)
Deidra Mullins (Class of 2017)
Bradley Sears (Class of 2018)
Jake Shockley (Class of 2016),
John Woodman (Class of 2016)
Griffith York (Class of 2016)

Lead Advisor: Mr. Michael Neal

Assistant Advisor: Mr. Michael Scott

Pirate Robotics #6032 began their rookie year without a tool or location to build. Through the generous sponsorship of Dayton Progress, all of the tools were provided for the build season as well as support from mentors. DMax also provided a team of engineers as mentors that rotated in throughout our build season for our students in addition to financial sponsorship. The team borrowed a table from the industrial technology room and placed it in the scene shop behind the auditorium stage and established a temporary room for the build season. The goal of the first year was to design and build a robot that could be competitive in the one competition we anticipated attending, the Buckeye Regional Robotics Competition in Cleveland.

The Pirate Robotics #6032 team had an outstanding performance at their first robotics competition. After 9 qualifying matches they ranked #12 out of 58 teams and were the highest seeded rookie team. Going into the semifinal selection process they were chosen 4th in the first round draft. Only 24 teams made it to the semifinals and Pirate Robotics #6032 was the only rookie team to advance this far in the competition. Pirate Robotics #6032 won the **Rookie All Star Award** and the **Highest Seeded Rookie Team** award.

The Rookie All Star Award is the most distinguished award for a first year team. This award gave Pirate Robotics #6032 an automatic entry to compete at the **FIRST® World Championships in St. Louis, Missouri**. The team ranked in the top 15% of teams in the world going into the World Championships. Pirate Robotics #6032 competed well in the World Championships and were able to learn from the other teams there from over 35+ countries.

2017 Season: FIRST Steamworks

Pirate Robotics began their second season with great enthusiasm from many new team members. The team more than doubled in size, and a new student-leadership system was established. Pirate Robotics was led by CEO Deidra Mullins (senior, class of 2017), VP of Engineering Bradley Sears (junior, class of 2018), VP of Marketing Sydney Green (senior, class of 2017), and VP of Program Management Tyler Frost (senior, class of 2017).

Key mentors included Mr. Jake Townsend from Dayton Progress, Alex Burchett (student at Sinclair and alumnus of the Pirate Robotics program), Colin Pierce from GE Aviation, and Cody Marshall.

Pirate Robotics also moved their operations into a new permanent workspace which was formerly a maintenance and storage room in the High School.

The team competed in two regional competitions – the Miami Valley Regional at Wittenberg University and the Buckeye Regional on the campus of Cleveland State University.

Pirate Robotics finished the **Miami Valley Regional** in 43rd place and a record of 3-8. Pirate Robotics was honored to win the **Team Spirit Award** at the Miami Valley Regional.

At the **Buckeye Regional**, Pirate Robotics finished in 41st place with an official record of 4-5.

2018 Season: FIRST Power Up

The third season of Pirate Robotics was advised by Mr. Neal (Engineering) and Mrs. McGuff (Marketing).

The student leadership team was led by CEO Hannah Nibert (junior, class of 2019), VP of Engineering Colton Burchett (sophomore, class of 2020), and VP of Marketing Mason Jones (sophomore, class of 2020).

Mentors for this season included Alex Berger (Wright Paterson AFB), Alex Burchett (student at Sinclair and alumnus of Pirate Robotics), Colin Pierce (GE Aviation), Bob Smithson (United Technologies), Sam Studebaker (student at Wright State University), Jake Townsend (Dayton Progress).

This season, Pirate Robotics focused on being the best *support robot* instead of attempting to do everything. After analyzing the game and considering our team's experience and resources, Pirate Robotics saw an opportunity to build a valuable support robot that could fill the vault and protect our side's switch. We did not worry about climbing or putting cubes on the scale.

At the **Miami Valley Regional**, Pirate Robotics finished the qualification round in 45th place overall, but 2nd place in total vault points. This drew the attention of scouts, and 6032 was chosen as the 7th overall pick in alliance selection. We were the first "support bot" to be picked. Our alliance was eliminated in the quarterfinals of the playoffs.

At the **Greater Pittsburgh Regional**, Pirate Robotics finished the qualification round in 35th place, and 2nd place in total vault points. Once again, scouts recognized 6032 as an effective support bot. We were chosen by team 303 to join their 2nd seed alliance in alliance selection. **Our alliance won the regional, earning Pirate Robotics their first blue banner!**

Winning the Greater Pittsburgh Regional gave Pirate Robotics a bid to the **2018 World Championships** in Detroit. 6032 competed in the Curie division, where they finished in 3rd place for total vault points. The Pirates were proud of how well they executed their strategy of filling the vault while protecting the switch. It was an incredible experience to compete against so many fantastic teams at such a high level, and the Pirates can't wait to earn another trip to the Championships!

2019 Season: Destination Deep Space

The fourth season of Pirate Robotics was advised by Mr. Neal (Engineering), Mrs. McGuff (Marketing), and Mrs. Reynolds (Marketing).

The student leadership team was led by Team Captain Ryan Brown (junior, class of 2020), Head of Engineering Chase Adams (sophomore, class of 2021), Head of Marketing Zoe Bowman (sophomore, class of 2021), and Head of Scouting and Program Management Ashton Davey (sophomore, class of 2021).

The drive team consisted of Driver Layton Schroyer (junior, class of 2020), Operator Mason Jones (junior, class of 2020), Drive Coach Jake Pierce (sophomore, class of 2021), Human Player Zach Fourman (junior, class of 2020), and Technician Ryan Brown (junior, class of 2020).

Key Mentors included Bruce Fourman (ESI Electrical Contractors), Jake Townsend (Dayton Progress), and Lt. Michael Rynders (US Air Force).

Our first competition was the **Miami Valley Regional**, where we finished the qualification round with a record of 8-1 and an overall ranking of 5th place. This was the first time we entered the playoff alliance selection ranked in the top 8. We were the third overall pick in alliance selections, chosen by team 4028 The Beak Squad. We flew through the playoffs undefeated until the finals, where we won the first match but lost the last two. Our overall record was 13-3 and we were recognized as **Regional Finalists**. We won a Wildcard as the top pick of the "runner up" alliance, which gave us entry to the FIRST Championships in Detroit.

Our second competition was the **Greater Pittsburgh Regional**, where we finished qualifications with a winning record of 6-4, ranked 15th overall. We were the 10th overall pick in alliance selections, chosen by team 4027 Centre County 4H Robotics (the 2018 World Champions in Detroit). We were eliminated in the quarterfinals by an alliance led by team 48, who went on to win the competition.

At every regional competition, our goal is to make the playoffs. It's truly an honor to be invited to join another team on their playoff alliance, and this is the second year in a row we have accomplished that goal!

Finally, we traveled to the FIRST Championships for the third time in four years. We competed in the Archimedes division and finished with a rank of 30 and a winning record of 6-4. We did not make the playoffs, but we were proud of our best-ever performance at Worlds.

MEMBERSHIP REQUIREMENTS

Code of Conduct

“Gracious professionalism,” one of the founding precepts of FIRST, is essential to team participation. “It’s a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community” (www.firstinspires.org). Disciplinary actions, to be determined by team coaches and mentors, may include suspension from team activities, ineligibility to travel with the team, or removal from the team.

1. Students will display “Gracious Professionalism” – the motto of FIRST – at all times and promote the ideals of FIRST.
2. Students will sign an agreement and follow the same rules as dictated by West Carrollton High School, including those in regard to alcohol and chemical substances.
3. Students will not violate the racial / religious / harassment / violence / and hazing bylaws of the West Carrollton City Schools.
4. Students are expected to behave in a courteous and cooperative manner.
5. Students are expected to be respectful of others and behave in a way that protects the health and safety of themselves and others.
6. Students shall be respectful of the facilities, tools, equipment and all things being used by the team.
7. Students shall not use profane, obscene or vulgar language in written, gestured, or verbal form. Pirate Robotics abides by West Carrollton City School’s Acceptable Use Policy for all communications, including all social media and Internet usage. Students’ Internet/social media/online communications are team communications and will be regarded as such.
8. Students visiting or working at corporate sites are guests of the corporations and must be courteous and respectful. While at a corporate site, students are expected to follow the general rules and safety rules posted at the site.
9. Students are expected to keep current with team activities and requirements by checking the website, email, and any other forms of communication established.
10. In the event that a relationship develops or is ongoing, there are certain guidelines that must be adhered to at all times when engaged in team activities local and away. Disciplinary actions will be taken against students who refuse to cooperate.
Hugging, kissing, sitting on laps, and other expressions of affection are prohibited at all times. Handholding is strongly discouraged. The couple must also travel in a group. Couples may not wander off alone or sit alone. The couple should not appear as a couple but, rather, as a part of the team.

Student Eligibility

1. Students must be a high school student in West Carrollton High School.
2. **Students must maintain a GPA of at least 2.0 (C- average) AND may not have any F's.**
3. If a student is suspended, he or she may not participate in the following competition. The Code of Conduct will be referenced to determine if further disciplinary action is required. If a student is suspended twice, he or she will be removed from the team.
4. Students are expected to make a significant time commitment to the team, actively participating in meetings, workshops, and events. Commitment to the team increases significantly during the months of January – March. A **90% participation attendance** rate is required to attend competitions (see the calendars in this handbook for official meeting dates).
5. A doctor's note is required for excused absences.
6. Students are expected to be reliable (on-time, prepared to work, clean up, positive attitude, assist newer members, responsive to mentors and other adult volunteers) and assist with fundraising and other team administrative tasks.
7. Students and parents must complete the necessary forms at the end of the handbook.

Parental Obligations

All parents are expected to provide additional support to the team, including chaperoning, making travel arrangements, providing meals, assisting with fundraisers, assisting with outreach events, donation of general supplies (snacks/water), and assisting team mentors as requested.

Lettering and School Recognition

1. The faculty advisors, with input from all team mentors, will determine which students receive a West Carrollton High School letter and/or school and team recognition awards.
2. Students must be an active participant of the team (absences are noted) and member in good standing for each of two years.
3. Student must attend all competitions in their entirety for each of the two years.
4. Student must maintain a GPA of at least 2.0 (C- average) AND may not have any F's.
5. Exceptions may be made at the discretion of the faculty advisors.

Team Organization

- Team Captain
 - Head of Engineering
 - CAD Designers
 - Builders
 - Programmers
 - Head of Public Relations & Marketing
 - Outreach Coordinators
 - Awards Coordinators
 - Judging Spokespersons
 - Web Designer
 - Videographer
 - Social Media Specialists
 - Pit Designers
 - Head of Scouting & Program Management
 - Scouters & Strategists
 - Safety Captain
 - Facilities Manager (Shop manager, Pit leader, Crate, ...)
- Drive Team
 - Driver
 - Operator
 - Drive Coach
 - Human Player
 - Technician

Roles and Responsibilities

Team Captain: A mature, responsible, and positive leader who oversees, but does not micromanage, all operations. Ensures all subgroups are operating effectively. Monitors progress of all groups. Anticipates potential issues before they become a problem. Keeps up with FIRST weekly updates (on www.firstinspires.org) and is an expert of the season's game, rules, and field. Communicates relevant game updates and rule changes to the team. Inclusive philosophy. Encourages, inspires, and leads by example. Savvy strategist. Resolves disputes. Willing to assist any sub-group with anything at any time. Attends all meetings.

Head of Engineering: Oversees the design, build, and test phases of the robot throughout the build season. An expert on game rules, robot rules/requirements, and conducts research to become an expert on other team's robots (via The Blue Alliance, Chief Delphi, YouTube, and other team's social media postings). Ensures the mechanical and programming teams are progressing effectively. Anticipates and helps solve robot design issues. A safety expert. Helps make a bill of materials (BOM) and calculates robot cost. Attends all design sessions, programming sessions, build sessions, and other robot-specific meetings.

CAD Designers: Helps generate design ideas, builds and tests prototypes, and creates a detailed design of the robot in SolidWorks. Anticipate design issues throughout the season and proactively presents ideas to solve them. Effectively communicates a realistic vision for the design of sub-assemblies. Always thinking about how the next step in the build process will work, ensures the team has all parts and materials at least one week in advance.

Builders: An expert on the safe use of all tools and equipment. Exemplifies the importance of safety, cleanliness, and organization. Follows the detailed CAD designs from the designers. Values teamwork. An expert of robot requirements and rules.

Programmers: An expert in LabView or Java. Saves and backs up all versions of code/projects properly. An effective debugger. Knows the robot code inside and out. Attends all design and programming sessions.

Head of Public Relations & Marketing: Oversees all operations related to the imagery, outreach, and brand of our team. An effective leader who will seek creative ideas from the team before offering their own. Understands that no idea is a bad idea when trying to be creative, because even the crazy ones may lead to something great. Ensures all PR/Marketing efforts are on track and able to succeed.

Outreach Coordinator: Organizes outreach events. Creates goals and a schedule for each outreach event. Ensures that each team member has an important job to make every outreach event a success. Creative and passionate about spreading the word of Pirate Robotics 6032.

Awards Coordinator: Organizes a creative team to plan and apply for desired awards. Keeps track of deadlines to ensure all materials are submitted on time. Works with the judging spokespersons, vice presidents, and CEO to form a strategy for competing for desired awards. The #1 expert about all possible awards, their requirements, and our plan to compete for them. Must possess excellent writing skills.

Judging Spokespersons: Friendly, well-spoken, knowledgeable experts who will talk to the judges as well as other team's spokespersons while at competitions. Remains in the pit during their designated shifts, ready to talk to anyone who stops by. Spokespersons are experts on our robot, how it was built, team organization, outreach events, and team history.

Web Designer: Maintains the Pirate Robotics website (www.wcrobotics.org) and keeps it up to date with pictures, videos, results from competition, awards, and more.

Videographer: Records video during outreach events, fundraisers, workshop build times, at competitions, and more. Creates videos and posts them to Facebook, Instagram, and Twitter. Creative and passionate about sharing our team's positive energy with the world.

Social Media Specialists: Takes pictures throughout the season to document the entire process of designing, building, testing, and competing with our robot. Skilled at capturing the team's excitement and sharing it through multiple promotional videos and pictures. Posts to the team's Facebook, Twitter, Instagram, Snapchat, and YouTube accounts.

Pit Designers: Designs our pit that makes us stand out as a creative, energetic, passionate group of pirates while at competition. Works with the build team to design a pit that will be easy to set up, disassemble, store, and move.

Head of Scouting & Program Management: Oversees operations such as scouting & strategy, safety, facilities (including the workshop and pit), and awards coordinators. Ensures the entire team is communicating effectively, meeting deadlines, keeps a close eye on the team's progress and anticipates logistical issues before they become a problem. Stays current on game updates, knows the game and robot rules inside and out. A safety champion.

Scouters & Strategists: Develop a strategy for succeeding in upcoming matches while at competition. Helps the team make design decisions from a game strategy perspective. Forms a "pick list" at competitions. Highly organized and able to develop and recognize creative strategies for game play. Friendly with other teams. Familiar with the capabilities of all robots at a competition.

Safety Captain: Ensures the workshop and pit are always safe, clean, and organized. Recognizes and fixes situations and behaviors which are potentially unsafe. Creates and updates the safety manual. Leads the effort to compete for the safety award while at competition.

Facilities Manager: Manages the pit crew and creates a pit schedule for team members at competition. Responsible for leading the safe and organized construction of the pit while at competition. Works with the pit designers to ensure the pit is a useful space and fantastic representation of our team. Leads the design and construction of a crate if necessary for certain competitions.

Drive Team: A drive team will be selected based on merit, leadership, responsibility, and the ability to stay calm under pressure. The drive team will be an exemplary representation of our team while at competitions. They will work with other teams to form strategy and will represent the city of West Carrollton with pride. The drive team must be experts on the game rules, numerous strategies, and be knowledgeable about other teams.

Drive Coach: The leader of our team while on the field. Works with other teams and their field coaches (who may be adults) to form a strategy for the alliance.

Driver: Primarily operates the robot's drive train during a match.

Operator: Controls the robot's numerous mechanisms during a match. The driver and operator must be able to anticipate one another's actions and will work as a single unit.

Human Player: Responsibilities change depending on the rules of the game. Human players typically provide extra help with game pieces and communication during a match.

Technician: Pushes the robot cart and works with the rest of the drive team to prepare the robot for matches (ensures we have the correct bumpers before every match, checks the robot for issues before and after matches, etc.).

SUB-GROUPS

Build Team

Includes the Head of Engineering, CAD Designers, and Builders. Responsible for designing, building, and testing the mechanical systems of the robot. Also responsible for bumper design and construction.

Programming Team

Includes the Head of Engineering and Programmers. Responsible for programming the robot and installing all cameras, sensors, wireless radio, and all aspects of the controls system.

Marketing Team

Includes the Head of Public Relations & Marketing, Outreach Coordinators, Awards Coordinators, Judging Spokespersons, Website Specialist, Videographer, Social Media Specialists, and Pit Designers. Creates a strong brand/image of our team. Organizes outreach events. Leads spirit at competition, including the cheering section. Creates spirit “flair and swag” that allow team members to show their pirate spirit while at competitions.

Facilities Team

Includes the Head of Scouting & Program Management, Facilities Manager, and Pit Designers. Responsible for designing, constructing, and maintaining pit. Sets up pit at competition. Constructs shipping crate, if necessary. Manages and maintains school workshop area and team tools. Constructs practice field components.

Safety Team

Includes the Head of Scouting & Program Management, Safety Captain, and numerous team members. Creates a safety manual and promotes the safety of all team members.

Scouting & Strategy Team

Includes the Head of Scouting & Program Management, and Scouters & Strategists. Provides competitive information about game play strategies and other teams prior to and during competition. Uses the scouting database and creates a “pick list” at competition.

Awards Team

Includes the Head of Public Relations & Marketing, Judging Spokespersons, and numerous team members. Three students are responsible for the Chairman’s Award team interview and presentation before judges. Ensures the team does everything possible to strive toward the desired awards.

FUNDING AND FINANCIALS

Budget

FIRST requires its teams to secure funding from corporations and other business sponsors. As such, funding for Pirate Robotics comes from these sources:

1. Corporate and Educational Sponsors – corporations, education-related and other non-profit organizations that donate funds. This constitutes the majority of the funds. Our sponsor levels for the 2018 season are noted in the Sponsor Benefit Information on the following page.
2. Fundraising Campaigns – Pirate Robotics will conduct multiple fundraisers. Students are required to fully participate in all fundraisers. Requirements will vary based upon the event or campaign.
3. Team member food costs and other miscellaneous costs (example: purchases made at events or traveling) are all funded by the team member. The typical cost per student is \$100-200 for the season.

Pirate Robotics deeply thanks its Corporate Sponsors for their ongoing support of our participation in the FIRST Robotics Competition. Every year, our team must solicit corporate sponsorships and donations to support a \$20,000+ budget to design and build a competition-ready robot.

2020 Estimated Budget

Cost	Item
\$5,000	Registration for our first regional competition, includes Kit of Parts
\$4,000	Registration for our second regional competition
\$3,500	Hotel for second competition
\$2,000	School bus transportation for second competition
\$5,000	Parts, tools, and shop materials
\$500	Team marketing: T-shirts, Banners w/sponsor logos, Pirate Robotics brand materials at events
\$12,000	Registration and Travel to the World Championships in Detroit adds \$12,000 to our TOTAL cost. That's our goal!
\$32,000	TOTAL

Sponsorship Form: 2019 - 2020

PIRATE ROBOTICS



6032

FRC #6032

West Carrollton High School

www.wcrobotics.org

Pirate Robotics is a **FIRST® Robotics Competition** team at West Carrollton High School. All funds donated will be used specifically for students within this team.

Club Advisers:

Mr. Neal, mneal@wcsd.k12.oh.us

Mrs. McGuff, emcguff@wcsd.k12.oh.us

Mrs. Reynolds, sreynolds@wcsd.k12.oh.us

Individual Sponsorship

\$500 Pirate Robotics Crew

\$100 Platinum

\$50 Gold

\$25 Silver

\$10 Bronze

Total: _____

Business Sponsorship

\$5,000 Title Sponsor

\$2,500 - \$4,999 Platinum

\$1,000 - \$2,499 Gold

\$250 - \$999 Silver

\$50 - \$249 Bronze

Total: _____

Primary Contact Name: _____

Address: _____

Phone: _____

Thank you for your support!

Please make checks payable to **West Carrollton High School**

Address: Attn: Robotics, West Carrollton High School, 5833 Student Street,
West Carrollton, OH 45449

All donations to Pirate Robotics can be deducted as charitable contributions.

Business Sponsor Benefit Information: 2019 – 2020

PIRATE ROBOTICS

FRC # 6032

West Carrollton High School

www.wcrobotics.org



6032

	Title Sponsor \$5,000+	Platinum Sponsor \$2,500+	Gold Sponsor \$1,000+	Silver Sponsor \$250+	Bronze Sponsor \$50+
Tournament Alliance Selection	Your company thanked during playoff alliance selections	---	---	---	---
Robot	Extra-Large logo	Large logo	Medium logo	Small logo	Line of text with business name on robot
Banner <i>displayed at events and tournaments</i>	Extra-Large logo	Large logo	Medium logo	Small logo	---
Team Shirts <i>worn at events and tournaments</i>	Extra-Large logo	Large logo	Medium logo	Small logo	---
Website	Large logo prominently displayed at top of sponsor page, link to business	Logo & link to business	Logo & link to business	Logo & link to business	Link to business
Memorabilia	Thank-you Plaque, Pirate Robotics T-Shirt, Certificate signed by team members	Thank-you Plaque, Pirate Robotics T-Shirt, Certificate signed by team members	Thank-you Plaque, Pirate Robotics T-Shirt, Certificate signed by team members	Thank-you letter, certificate signed by team members	Thank-you letter, certificate signed by team members

Available to all sponsors: Team members will give a complimentary presentation to a small or large group providing more information and an interactive demonstration with one of our robots.

CALENDARS

2020 Pirate Robotics				
Build & Programming Team Schedule				
DATE	EVENT	TIME	LOCATION	WEEK #
Saturday, January 04, 2020	Kick Off Event	9:00 - 3:00	HS Auditorium & Gym	
Monday, January 06, 2020	Design	3:00 - 5:00	212	1
Tuesday, January 07, 2020	Design	3:00 - 6:30	212	
Wednesday, January 08, 2020	Design	3:00 - 5:00	212	
Thursday, January 09, 2020	Design	3:00 - 5:00	212	
Saturday, January 11, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, January 13, 2020	Build	3:00 - 5:00	Robotics Workshop	2
Tuesday, January 14, 2020	Build	3:00 - 6:30	Robotics Workshop	
Wednesday, January 15, 2020	Build	3:00 - 5:00	Robotics Workshop	
Thursday, January 16, 2020	Build	3:00 - 5:00	Robotics Workshop	
Saturday, January 18, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, January 20, 2020	MLK Day (no school, no meeting)			3
Tuesday, January 21, 2020	Build	3:00 - 6:30	Robotics Workshop	
Wednesday, January 22, 2020	Build	3:00 - 5:00	Robotics Workshop	
Thursday, January 23, 2020	Build	3:00 - 5:00	Robotics Workshop	
Saturday, January 25, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, January 27, 2020	Build	3:00 - 5:00	Robotics Workshop	4
Tuesday, January 28, 2020	Build	3:00 - 6:30	Robotics Workshop	
Wednesday, January 29, 2020	Build	3:00 - 5:00	Robotics Workshop	
Thursday, January 30, 2020	Build	3:00 - 5:00	Robotics Workshop	
Saturday, February 01, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, February 03, 2020	Build	3:00 - 5:00	Robotics Workshop	5
Tuesday, February 04, 2020	Build	3:00 - 6:30	Robotics Workshop	
Wednesday, February 05, 2020	Build	3:00 - 5:00	Robotics Workshop	
Thursday, February 06, 2020	Build (P/T Conferences today)	3:00 - 5:00	Robotics Workshop	
Saturday, February 08, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, February 10, 2020	Build	3:00 - 5:00	Robotics Workshop	6
Tuesday, February 11, 2020	Build	3:00 - 6:30	Robotics Workshop	
Wednesday, February 12, 2020	Build (P/T Conferences today)	3:00 - 5:00	Robotics Workshop	
Thursday, February 13, 2020	Build	3:00 - 5:00	Robotics Workshop	
Saturday, February 15, 2020	Build	10:30 - 3:00 (Lunch)	Robotics Workshop	
Monday, February 17, 2020	Build (President's Day)	10:30 - 3:00 (Lunch)	Robotics Workshop	7
Tuesday, February 18, 2020	Unofficial Stop Build Day	3:00 - 6:30	Robotics Workshop	
Thursday, February 20, 2020	Auton Code, Pit Prep, etc.	3:00 - 4:30	Robotics Workshop	
Monday, February 24, 2020	Competition Prep	3:00 - 4:30	Robotics Workshop	
Wednesday, February 26, 2020	Setup Pit at MVR	After School		Event Week 1
Thursday, February 27, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Friday, February 28, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Saturday, February 29, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Between Competitions, meet every Tuesday/Thursday 3:00 - 4:00 PM in Robotics Workshop				
Wednesday, March 18, 2020	Travel to Pittsburgh Regional	Leave after school		Event Week 4
Thursday, March 19, 2020	Pittsburgh Regional	All Day	California University, PA	
Friday, March 20, 2020	Pittsburgh Regional	All Day	California University, PA	
Saturday, March 21, 2020	Pittsburgh Regional	All Day	California University, PA	
IF WE QUALIFY:				
Wednesday, April 29, 2020	Detroit World Championships	Leave Before School in AM	Detroit, MI	Event Week 10
Thursday, April 30, 2020	Detroit World Championships	All Day	Detroit, MI	
Friday, May 1, 2020	Detroit World Championships	All Day	Detroit, MI	
Saturday, May 2, 2020	Detroit World Championships	All Day	Detroit, MI	

2020 Pirate Robotics			
Marketing Team Schedule			
Marketing Team Members must attend at least 5 build meetings in addition to the scheduled marketing team meetings.			
DATE	EVENT	TIME	LOCATION
Monday, November 04, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, November 05, 2019			
Wednesday, November 06, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Thursday, November 07, 2019			
Friday, November 08, 2019			
Monday, November 11, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, November 12, 2019			
Wednesday, November 13, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Thursday, November 14, 2019			
Friday, November 15, 2019			
Monday, November 18, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, November 19, 2019			
Wednesday, November 20, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Thursday, November 21, 2019			
Friday, November 22, 2019			
Monday, November 25, 2019	Thanksgiving Break	No Meetings This Week	
Tuesday, November 26, 2019			
Wednesday, November 27, 2019			
Thursday, November 28, 2019			
Friday, November 29, 2019			
Monday, December 02, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, December 03, 2019			
Wednesday, December 04, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Thursday, December 05, 2019			
Friday, December 06, 2019			
Monday, December 09, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, December 10, 2019			
Wednesday, December 11, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Thursday, December 12, 2019	NHS Christmas Party	5:30 - 7:00 (set up at 5pm)	WCHS Hallways
Friday, December 13, 2019			
Monday, December 16, 2019	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)
Tuesday, December 17, 2019			
Wednesday, December 18, 2019	1st Semester Exams	No Meeting	
Thursday, December 19, 2019	1st Semester Exams		
Friday, December 20, 2019	1st Semester Exams		
Winter Break			

Marketing Team Schedule is continued on the next page...

Marketing Team Schedule continued...

Winter Break				
Saturday, January 04, 2020	Kick Off Event	9:00 - 3:00	HS Auditorium & Gym	
Monday, January 06, 2020	Marketing Meeting	3:00 - 5:00	212 (Neal's Room)	1
Tuesday, January 07, 2020				
Wednesday, January 08, 2020	Marketing Meeting	3:00 - 5:00	212 (Neal's Room)	
Thursday, January 09, 2020				
Saturday, January 11, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, January 13, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	2
Tuesday, January 14, 2020				
Wednesday, January 15, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	
Thursday, January 16, 2020				
Saturday, January 18, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, January 20, 2020	MLK Day (no school, no meeting)			3
Tuesday, January 21, 2020				
Wednesday, January 22, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	
Thursday, January 23, 2020				
Saturday, January 25, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, January 27, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	4
Tuesday, January 28, 2020				
Wednesday, January 29, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	
Thursday, January 30, 2020				
Saturday, February 01, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, February 03, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	5
Tuesday, February 04, 2020				
Wednesday, February 05, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	
Thursday, February 06, 2020				
Saturday, February 08, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, February 10, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	6
Tuesday, February 11, 2020				
Wednesday, February 12, 2020	Marketing Meeting (P/T Conf)	3:00 - 5:00	218 (McGuff's Room)	
Thursday, February 13, 2020				
Saturday, February 15, 2020	Marketing Meeting	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	
Monday, February 17, 2020	Marketing (President's Day)	10:30 - 3:00 (Lunch)	Robotics Workshop / McGuff	7
Tuesday, February 18, 2020	Unofficial Stop Build Day	3:00 - 6:30	Robotics Workshop / McGuff	
Wednesday, February 19, 2020	Marketing Meeting	3:00 - 5:00	218 (McGuff's Room)	
Monday, February 24, 2020	Marketing Meeting	3:00 - 4:30	218 (McGuff's Room)	
Wednesday, February 26, 2020	Setup Pit at MVR	After School		Event Week 1
Thursday, February 27, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Friday, February 28, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Saturday, February 29, 2020	Miami Valley Regional	All Day	WSU Nutter Center	
Between Competitions, meet every Tuesday/Thursday 3:00 - 4:00 PM in Robotics Workshop				
Wednesday, March 18, 2020	Travel to Pittsburgh Regional	Leave after school		Event Week 4
Thursday, March 19, 2020	Pittsburgh Regional	All Day	California University, PA	
Friday, March 20, 2020	Pittsburgh Regional	All Day	California University, PA	
Saturday, March 21, 2020	Pittsburgh Regional	All Day	California University, PA	
IF WE QUALIFY:				
Wednesday, April 29, 2020	Detroit World Championships	Leave Before School in AM	Detroit, MI	Event Week 10
Thursday, April 30, 2020	Detroit World Championships	All Day	Detroit, MI	
Friday, May 1, 2020	Detroit World Championships	All Day	Detroit, MI	
Saturday, May 2, 2020	Detroit World Championships	All Day	Detroit, MI	

SAFETY

1. Team members will act in a safe manner AT ALL TIMES. This includes during any team-related activity while traveling to team events, and during competitions.
2. Team members will be respectful of the Safety Captain(s) and adhere to any reasonable requests made by the Safety Captain(s).
3. Team members will be expected to attend a safety seminar and pass a **Safety Quiz**. Power tools or equipment may only be used under the supervision of an adult mentor.
4. Team members will be expected to wear safety glasses at work sites and in the pit area at all competitions. In addition, team members may be asked to wear gloves, face masks, and ear protection during certain tasks.
5. Horseplay will not be tolerated at any time.
6. All work areas will be cleaned up at the end of every day including sweeping the floors and work surfaces, putting away tools and materials, and throwing away trash.
7. Students will not socialize or linger in the workshop once the designated task(s) are completed.
8. Team members will not directly or indirectly give out personal information about themselves or other team members while using any form of online/Internet communications or media. This includes all social media (Twitter, Facebook, et al), Pirate Robotics, other FIRST teams or other FIRST-sponsored Forums, wikis or any Internet/Web/mobile device (smartphones, cellphones). As Pirate Robotics members, students' communications through any media are representative of the team and should not negatively reflect on the team and should at all times reflect the tenets of FIRST and "Gracious Professionalism."

TEAM TRAVEL

Travel

Students are required to attend all FIRST Robotics Competitions with the team. All meal expenses are paid by each student and adult traveling with the team. Travel itinerary and information will be provided mid-season. Student MUST attend the competitions (in their entirety) each year for two years to meet lettering requirements.

Expectations of student while traveling

1. Be a member in good standing (see Member Requirements).
2. Arrange ahead of time with their teachers to make-up any work missed (students will miss Wednesday, Thursday and Friday of school for competitions).
3. Complete all necessary paperwork for travel (permission slips, online FIRST consent form at firstinspires.org, emergency medical form, student behavior expectation form, etc).
4. Attends mandatory travel meeting(s).
5. Abide by all rules of conduct for traveling with the team (to be distributed prior to traveling).
6. Exhibit team spirit and "Gracious Professionalism" at all times while traveling.
7. Students must travel as a team.
8. Students will not be allowed to change travel arrangements or housing.
9. After each event, all team members must return with the team to help unload all equipment.

COMMUNICATIONS AND RESOURCES

Email: All team members, mentors, and parents should check their email addresses regularly for updates and important team information.

Remind: Remind text messages are used to remind students of meetings and are also used to stay in contact while at competitions. To sign up for remind text messages, text the code **@wchsrobot** to the number **81010**.

***Email and Remind
are the two
most important
communication tools.***

Discord: Discord is a group messaging app used by the team to communicate with one another throughout the season. Our server name is “6032 Discord”. Email Mr. Neal for an invitation to join.

Basecamp: Basecamp is a project management application that we use to organize sub-teams and assign students to tasks. Students and mentors have access to basecamp. If parents would also like access, please email Mr. Neal for an invitation.

Team Website: The team website (www.wcrobotics.org) will display pictures, news releases, the team handbook, calendar, and other information throughout the season.

General Team contacts:

Mr. Neal mneal@wcsd.k12.oh.us
Mrs. McGuff emcguff@wcsd.k12.oh.us
Mrs. Reynolds sreynolds@wcsd.k12.oh.us

Any distributed roster of the team members, parents, and mentors is designated for team use only.

Online Resources:

Pirate Robotics #6032 Website www.wcrobotics.org

FIRST www.firstinspires.org

The Blue Alliance www.thebluealliance.com

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Robotics Team Handbook 2020 Receipt Form

I have reviewed my copy of the Pirate Robotics #6032 Team Handbook for the 2020 Season.

I understand that I am responsible for being aware of the total content of the Pirate Robotics #6032 Team Handbook in addition to the policies of West Carrollton High School.

Student Name

Student Signature

Date

Parent Signature

Date

Preferred Email

SAFETY FORM

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Student Signature

Date

Parent Signature

Date

- Return this page to Mr.Neal in room 212